

DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER) BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

MetalTech, Inc. 7635 West 2nd Court Hialeah, FL 33014

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Maximum Impact" 0.050" Aluminum Storm Panel Shutter

APPROVAL DOCUMENT: Drawing No. 98002, titled "0.050" Maximum Impact Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated 01/12/2006, signed & sealed by Robert Monsour, P.E. on 01/12/2006, bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state, the following statement: "Miami-Dade County Product Control Approved", and NOA number, per TAS-201, TAS-202, and TAS-203, unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises & renews NOA # 11-0831.04 and consists of this page 1, evidence submitted pages E-1, E-2 & E-3 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMIDADE COUNTY
APPROVED

Hely A. Mehr . 09/13/2012

NOA No. 12-0628.12 Expiration Date: 10/22/2017 Approval Date: 09/13/2012

Page 1

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

- 1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVALS
- A. DRAWINGS

See NOA 01-0718.09

B. TESTS

See NOA 01-0718.09

C. CALCULATIONS

See NOA 01-0718.09

D. MATERIAL CERTIFICATIONS

See NOA 01-0718.09

E. STATEMENTS

See NOA 01-0718.09

F. OTHER

NOA 01-0718.09.

- 2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 04-0621.01
- A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

- D. QUALITY ASSURANCE
 - 1. By Miami-Dade County Building Code Compliance Office.
- E. MATERIAL CERTIFICATIONS

1. None.

- F. OTHER
 - 1. NOA # 02-0312.08 cover page states the number of sheets incorrectly "sheets 1 through 18". This NOA #04-0621.01 is issued to revise NOA # 02-0312.08 and correct the number of sheets on the cover page to "sheets 1 through 7 of 7". This is the only change. This file is authorized by Mr. Ted Berman, P.E. with no fee.

Helmy A. Makar, P.E., M.S.

Product Control Unit Supervisor

NOA No. 12-0628.12 Expiration Date: 10/22/2017 Approval Date: 09/13/2012

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

3. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 06-0117.05

A. DRAWINGS

1. Drawing No. 98002, titled "0.050" Maximum Impact Storm Panel", sheets 1 through 7 of 7, prepared by Ramms Engineering, Inc., dated January 10, 1998, last revision dated 01/12/2006, signed & sealed by Robert Monsour, P.E., on 01/12/06.

B. TESTS

1. None.

C. CALCULATIONS

1. Anchor analyses dated January 06, 2006, 41 pages, prepared by Ramms Engineering, Inc., signed & sealed on January 06, 2006 by Robert Monsour, P.E.

D. OUALITY ASSURANCE

1. By Miami-Dade County Building Code Compliance Office.

E. MATERIAL CERTIFICATIONS

1. None.

4. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 11-0831.04

A. DRAWINGS

1. None.

B. TESTS

1. None.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Building and Neighborhood Compliance Department.

E. MATERIAL CERTIFICATIONS

1. None.

F. OTHERS

1. Letter of compliance with the Florida Building Code, 2007 Edition, issued by Ramms Engineering, Inc., dated August 22, 2011, signed and sealed by Robert S. Mansour, P.E.

Helmy A. Makar, P.E., M.S. Product Control Unit Supervisor

Product Control Unit Supervisor NOA No. 12-0628.12

> Expiration Date: 10/22/2017 Approval Date: 09/13/2012

MetalTech, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

5. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. None.

B. TESTS

1. Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 0.050 Aluminum Storm Panel Shutter, prepared by Blackwater Testing, Inc., Report No. BT-12-002, dated May 30, 2012, signed and sealed by Yamil G. Kuri, P.E.

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. None.

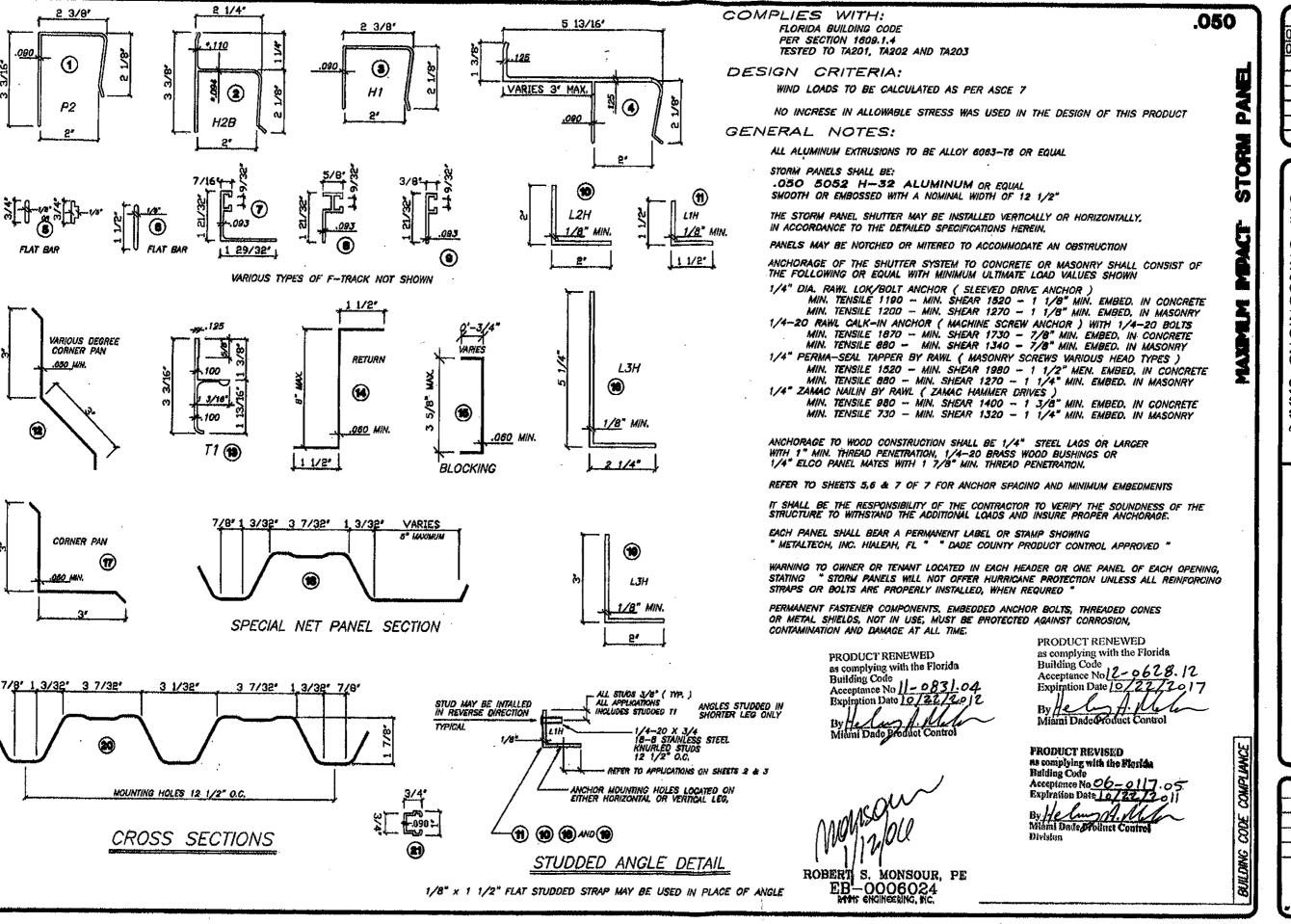
F. OTHERS

1. Letter of compliance with the Florida Building Code, 2010 Edition, issued by Ramms Engineering, Inc., dated June 26, 2012, signed and sealed by Robert S. Mansour, P.E.

Helmy A. Makar, P.E., M.S.

Product Control Unit Supervisor NOA No. 12-0628.12

Expiration Date: 10/22/2017 Approval Date: 09/13/2012

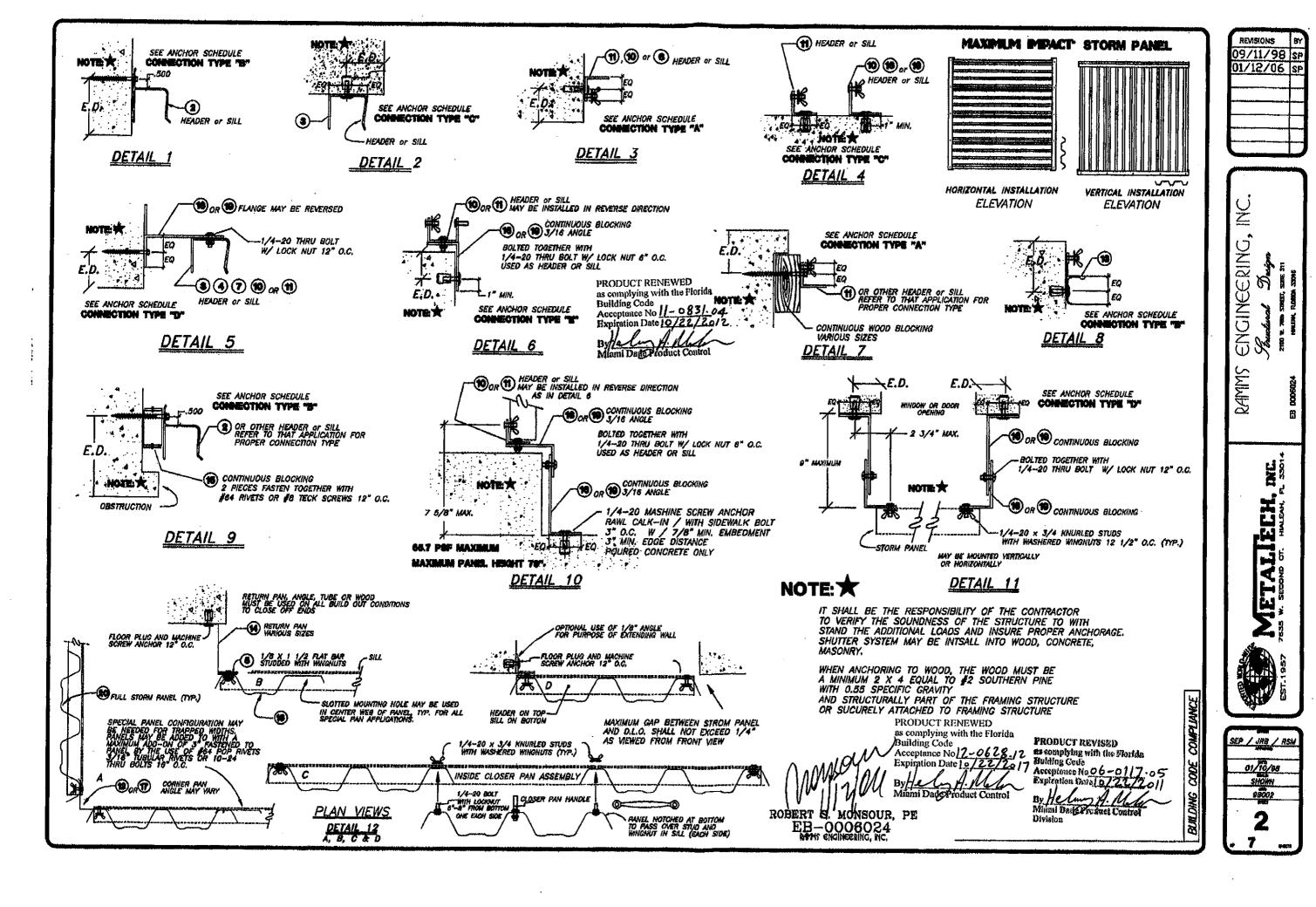


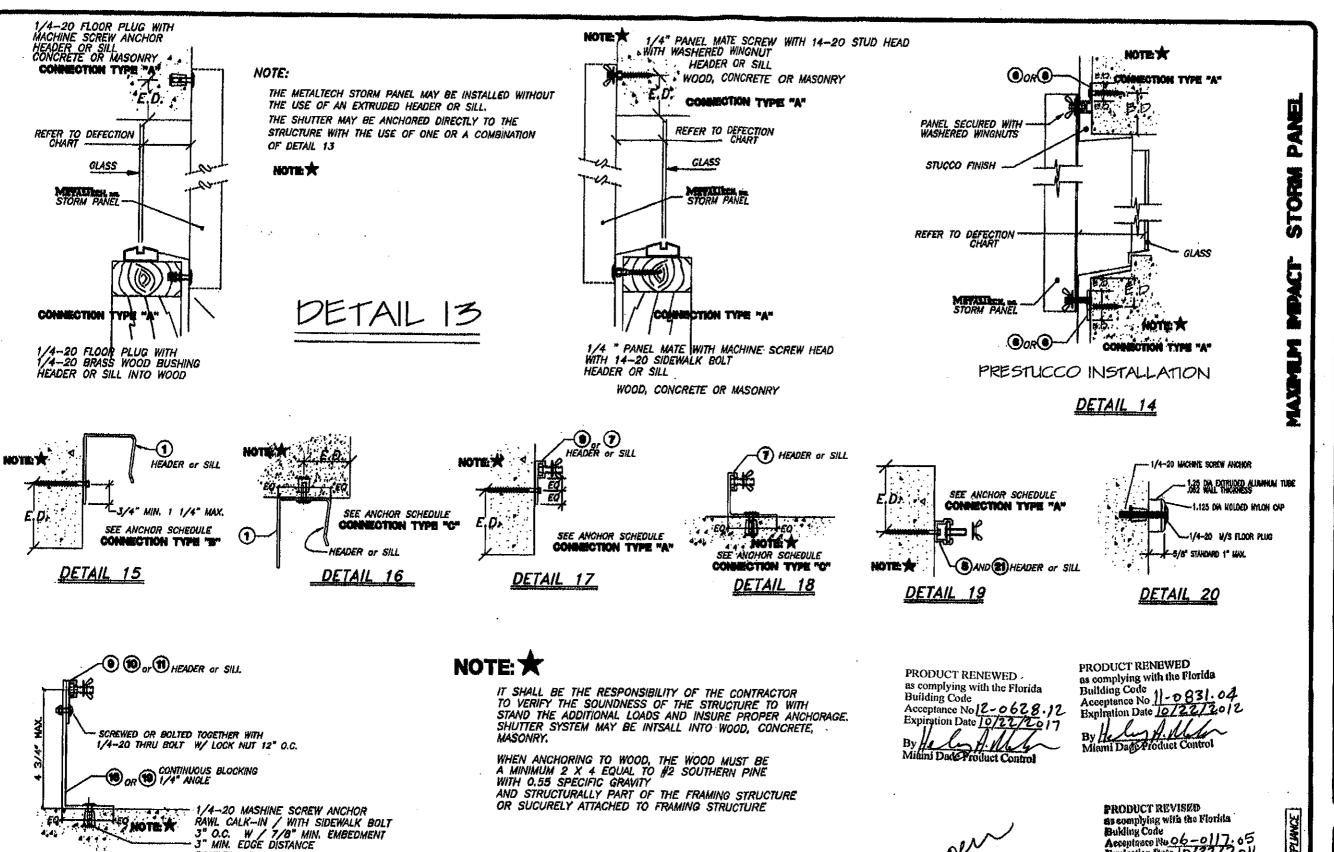
REVISIONS 9/11/98 SP 1/06/06 SF

RING ENGINEER ST.

SETALIECH.

SEP/JRO/HSM





POURED CONCRETE ONLY

59.5 PSF MAXIMUM / PANEL HEIGHT 100" MAXIMUM

DETAIL 21 ADJUSTABLE HEADER OR SILL SEP / JRB / RSA 01/10/97 SHOWN

REVISIONS

ERING

ENGINE

RAMMS

INC

METALIECH.

B

09/11/98 SP

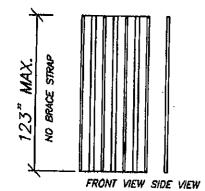
01/12/06 SP

ROBERT B. MONSOUR, PE

Acceptasco Na 06-0117.05 Expiration Date 10/22/201

Division

EB-0006024



123" MAX. PANEL HEIGHT NO PANEL STRAP

PANEL DEFLECTION CHART WITHOUT HORIZONTAL STRAP

PANEL HEIGHT	0"-68"	aver 68"-96"	over 96"-123"
WALL MOUNT	2 5/8"	3 5/8"	4"
INSIDE MOUNT	2 5/8"	3 5/8"	4"
BUILD OUT	2 5/8"	3 5/8"	4"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL

FRONT VIEW SIDE VIEW

123" MAX. PANEL HEIGHT ONE PANEL STRAP LOCATED MIDSPAN

PANEL DEFLECTION CHART WITH HORIZONTAL STRAP

PANEL HEIGHT	0"-107"	over 107'-123'
WALL MOUNT	2 13/16"	3 3/16"
INSIDE MOUNT	2 13/16"	3 3/16"
BUILD OUT	2 13/16"	3 3/16"

MINIMUM DISTANCE BETWEEN GLASS AND PANEL

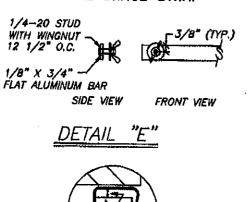
DETAILS 5,7,9,10 AND 11 ON SHEET 2

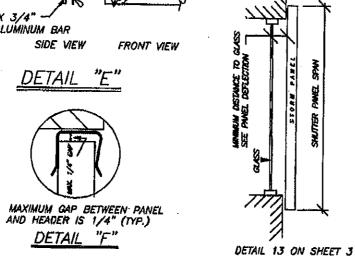
HEADER

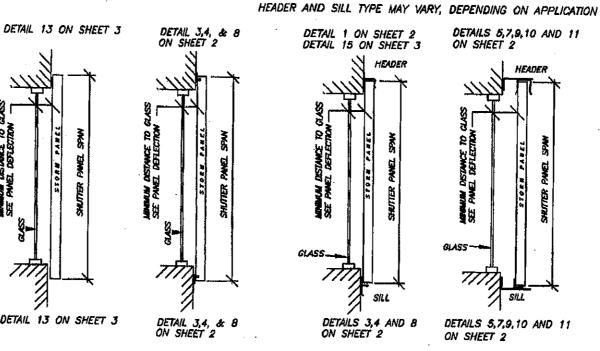
.050 ALUM

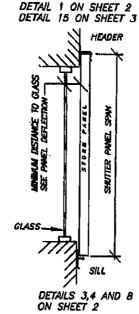
DESIGN PRESSURE	PANEL SPAN
44.40	123"
47.81	120"
51.23	117"
58.06	112"
61.47	110"
66.85	106"
71.46	102"
75.30	97"
81.45	90"
86.83	84"
91.44	80"

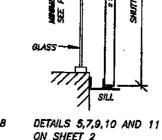
HORIZONTAL BRACE STRAP

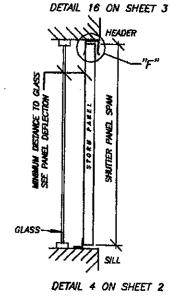




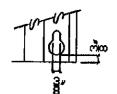


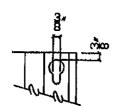




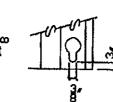


DETAIL 2 ON SHEET 2





DETAIL



WALL MOUNT

ANCHORING PANEL TOP & BOTTOM NO HDR. OR SILL

WALL MOUNT

ANCHORING PANEL WITH STUDDED HOR/SILL

PRODUCT RENEWED

Building Code

as complying with the Florida

Miami Dade Froduct Control

WITH HOR. AND SILL

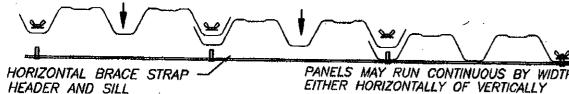
BUILD OUT

INSIDE MOUNT WITH HOR. AND SILL PRODUCT RENEWED WITH HOR. AND SILL

as complying with the Florida Building Code Acceptance No 12 - 0 628.12 Expiration Date 10/22/2017

FASTENER MUST BE IN NORROW PORTION OF KEY HOLE MOUNTING HOLE MAY ALSO BE A 9/16" DIA. CIRCLE

DETAIL



PANELS MAY RUN CONTINUOUS BY WIDTH EITHER HORIZONTALLY OF VERTICALLY

EXPLODED ASSEMBLY

Acceptance No 11-0831.04 Expiration Dato 10/22/20/2

ROBERT S. MONSOUR, PE EB-0006024 MATTY ENGINEERING, INC.

TYPICAL SECTION VIEWS

PRODUCT REVISED as complying with the Florida

SEP/JRO 08002

 $\frac{1}{2}$

REVISIONS

09/11/98 SP

ENGINEERING, Suign RAMMS

METALIELH.

ANCHOR SPACING VS DESIG	N PRESS	SURE	UP T	O 59.6 PSF	LIPTO	UPTO 71.5 PSF			
AND CONNECTION TYPE			POURED CONCITETE	CONCRETE BLOCK	POURED CONCTETE	CONCRETE BLOCK			
AMOUNT TOTAL			CONECTION TYPE	CONECTION TYPE	CONECTION TYPE	CONECTION TYPE			
ANCHOR TYPE	PANEL	E.D.	ABCDE	A B C D E	A B C D E	A B C D E			
	66" SPAN	2" 1 1/4"	16 13 8 13 13 16 13 7 13 13 16 13 5 13 13	16 13 10 13 13 16 13 8 13 13 16 13 6 13 13	16 13 7 13 13 16 13 5 13 13 14 13 4 13 13	16 13 8 13 13 16 13 6 13 13 14 13 4 13 13			
1/4" RAWL LOK/BOLT (SLEEVE ANCHOR) 1 1/6" MIN. EMBEDMENT	88" SPAN	3" 2" 1 1/4"	16 13 6 13 13 15 11 5 13 13 13 10 4 13 13	16 13 7 13 13 16 11 6 13 13 13 10 5 13 13	14 6 5 9 10 12 6 4 8 9 11 6 3 7 8	14 6 6 9 10 12 6 5 8 9			
	105" span	3" 2" 1 1/4"	14 : 6 : 5 : 9 : 10 12 : 6 : 4 : 8 : 9 11 : 5 : 3 : 7 : 8	14 7 6 9 10 12 6 5 8 9 11 5 4 7 8	11 4 4 5 4 10 4 4 5 4 9 3 3 4	11 5 4 7 8 12 4 5 5 4 10 4 4 5 4 9 3 3 4			
	123" span	3" 2" 1 1/4"	11 4 4 5 4 10 4 4 5 4 9 3 3 4 3	12 4 5 5 4 10 4 4 5 4 9 3 3 4 3		9:3:3:4			
	68" SPAN	3" 2" 1 1/4"	16 13 7 13 13 15 13 6 13 13 14 13 5 13 13	13 13 6 13 13 12 12 5 12 12 10 10 4 10 10	16 13 6 13 13 13 13 6 13 13 12 12 4 12 12	11 : 11 : 5 : 11 : 11 10 : 10 : 4 : 10 : 10 9 : 9 : 3 : 9 : 9			
1/4" RAWL ZAMAC NAILIN DRIVE	88" SPAN	3° 2° 1 1/4"	13 10 6 13 13 12 9 5 12 12 11 8 4 11 11	10 8 5 10 10 9 7 4 9 9 8 6 3 8 8	11 5 5 7 8 10 5 4 6 7 9 4 3 6 6	8 4 4 5 6 7 3 3 5 5 7 3 3 4 5			
(HAMMER DRIVE) 1 3/8" MIN. EMBEDMENT IN CONCRETE 1 1/4" MIN. EMBEDMENT IN BLOCK	105° span	3 ^h 2" 1 1/4"	11. 5 5 7 8 10 5 4 7 7 9 4 3 6 7	8 4 4 5 6 7 4 3 5 8 7 3 3 4 5	9 3 4 4 3 6 3 3 4 3 6 3 3 4 3	7 3 3 3 3 6 3 3 6 3 3 3			
	123º span	3" 2" 1 1/4"	9 3 4 4 3 8 3 3 4 3 8 3 3 4 3	7 3 3 3 6 6 3 3 3 6 3 3 3		9			
VARIOUS HEAD TYPES	68" SPAN	3" 2" 1 1/4"	16 : 13 : 11 : 13 : 13 : 16 : 13 : 9 : 13 : 13 : 16 : 13 : 8 : 13 : 13	16 13 7 13 13 14 13 6 13 13 13 13 5 13 13	16 13 9 13 13 16 13 8 13 13	13 : 13 : 6 : 13 : 13 : 12 : 12 : 5 : 12 : 12			
	88" SPAN	3" 2" 1 1/4"	16 13 9 13 13 16 13 7 13 13 16 13 6 13 13	12 9 5 12 12 11 8 4 11 11 10 7 4 10 10	16 13 6 13 13 16 8 7 11 12 15 7 6 10 11 14 7 5 9 10	10 : 10 : 4 : 10 : 10 10 : 5 : 4 : 6 : 7 9 : 4 : 4 : 6 : 6 8 : 4 : 3 : 5 : 6			
(MASONRY SCREWS) 1/4" RAWL PERMA-SEAL TAPPER	105" span	3" 2" 1 1/4"	16 8 7 11 13 16 7 6 10 12 14 7 5 9 10	10 5 4 7 8 9 4 4 6 7 8 4 3 5 6	15 5 6 7 5 13 5 6 6 5 12 4 4 5 4	8 3 4 4 3 8 3 3 4 3 7 7 7 7 3 3 3			
1/4" ELCO PANEL MATES 1 1/2" MIN. EMBEDMENT IN CONCRETE 1 1/4" MIN. EMBEDMENT IN BLOCK	123" span	3° 2° 1 1/4°	15 5 6 7 5 13 5 5 6 5 12 4 4 5 4	8 3 4 4 3 8 3 3 4 3 7					
	68" SPAN	2.5" 2"	16 13 12 13 13 16 13 10 13 13 16 13 8 13 13	16 13 7 13 13 14 13 6 13 13 13 13 5 13 13	16 13 10 13 13 16 13 9 13 13 16 13 7 13 13	13 13 6 13 13 12 12 5 12 12 10 10 4 10 10			
	88" SPAN	3° 2.5* 2"	16 13 9 13 13 18 13 8 13 13 16 13 6 13 13	12 9 5 12 12 11 8 5 11 11 10 7 4 10 10	16 10 8 13 13 16 9 7 12 13 16 8 6 11 12	10 5 4 6 7 9 4 4 6 6 8 4 3 5 6			
(MACHINE SCREW ANCHOR) 7/8" MIN. EMBEDMENT	105" span	3" 2,5" 2"	16 : 10 : 8 : 13 : 13 16 : 9 : 7 : 13 : 13 16 : 8 : 5 : 11 : 13	10 5 4 7 8 9 4 4 6 7 8 4 3 5 6	16 6 7 8 3 16 6 6 8 3 14 5 4 7 3	8 3 4 4 3 8 3 3 4 3 7 3 3 4 3			
	123" span	3" 2.5" 2"	18 6 7 8 7 16 6 6 8 6 14 5 4 7 5	8 3 4 4 3 8 3 3 4 3 7 3 3 3 3					

NOTES:

SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.

MINIMUM ENBEDMENT AND EDGE DISTANCE EXCLUDES STUCCO AND/OR WALL FINISHES.

SHADED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE, SHUTTER SYSTEM MAY BE INTSALL INTO WOOD, CONCRETE OR MASONRY

PRODUCT RENEWED as complying with the Florida **Building Code** Acceptance No 12 - 0 (
Expiration Date 10/2) By He H. N. W. Miami Dade Product Control

PRODUCT RENEWED as complying with the Florida
Building Code
Acceptance No 1/-0831.04
Expiration Date 10/22/70/2

ROBERT S. MONSOUR, PE EB-0006024 MYNY ENGINEERING, NC.

PRODUCT REVISED on complying with the Florida Building Code Acceptance No.0 6-0117:05 Expiration Spire To Feet 7:011

REVISIONS)9/11/98 SF 01/06/06 sr

N. ENGINEERING, I Dady F. Mere 311

METALIECH.

01/10/98 SHOWN

ANCHOR SCHEDULF

ANCHOR SPACING VS DESIGNATION TO THE COMMENT OF THE	N PRES	SURE	UP TO 81,5 PSF													
AND CONNECTION TYP	POURED CONCIETE			CONCRETE BLOCK			UPTO				O 91.4 PSF					
ANCHOR TYPE	PANEL			CTION TYPE		CONECTION TYPE			POURED CONCTETE CONECTION TYPE				CONCRETE BLOCK			
	PANEL	E.D.	·	CD	E A		C D	E	A		C D		┼-:-		TION TYPE	
	68" \$PAN	3" 2" 1 1/4"	14 9	6 13 5 13 4 12	13 16 13 14 12 12	9 (7 13 6 13	13	.13 12	7 6		E 11 9	13 12	7 6	C D 6 9	11 10
1/4" RAWL LOK/BOLT (SLEEVE ANCHOR) 1 1/8" MIN, EMBEDMENT	88" SPAN	3" 2" 1 1/4"	12 : 4	5 6 4 5	5 12 4 11	5 4	4 12 5 6 4 5	12 5	11 11 9	5 3 3 4	5	3	11	5 4	4 7 5 5	9
	105" span	3 ^H 2 ^H 1 1/4 ⁿ	10 4	5	4 10	4	3 5	4	9	3 3	4	3	9	3	3 4	3
	123° span	3" 2" 1 1/4"														
	68" SPAN	3" 2" 1 1/4"	13 8 5 11 7 5 10 7 4	12 11 10	13 9 11 8 10 8	6 5	4 9 4 8 3 7	9	11 10 9	5 5 5 4		. 9 . 8	8	4 4	4 6 3 5	;
1/4° RAWL ZAMAC NAILIN DRIVE (HAMMER DRIVE)	88" SPAN	3" 2* 1 1/4"	10 4 4 9 3 3 8 3 3	5 4	4 7 4 7 3 6	. 3	3 4	3	9	4 3 3 4 3 3	6 4 3	3	7 7 6		3 4 3 3	5
1 3/8" MIN. EMBEDMENT IN CONCRETE 1 1/4" MIN. EMBEDMENT IN BLOCK	105* span	3" 21 1 1/4"							7	3	3		5			
	123° span	3" 2" 1 1/4"														
VARIOUS HEAD TYPES LILLINGS HEAD TYPES	68" SPAN	2" 1 1/4"	16 13 8 16 11 7 16 10 6	13	13 11 13 10	7		10	16 16	8 7 8 6	12	13 12	10 9	5	7	
	88" SPAN	3" 2" 1 1/4"	15 6 6 14 5 5 12 5 4	. 8 7	13 9 6 9 6 8	6 3 3	4	3	14 14 12	7 5 4 6 4 5	9 6 5	11 4 4	9 8 8 7	3 3	3	3
(MASONRY SCREWS) 1/4" RAWL PERMA-SEAL TAPPER	105" span	3" 2" 1 1/4"				: 3 ; 3	4	: 3	<u>11 :</u>	4 4	5	3	6		3	
1/4" ELCO PANEL MATES 1 1/2" MIN, EMBEDMENT IN CONCRETE 1 1/4" MIN, EMBEDMENT IN BLOCK	123" span	3" 2" 1 1/4"														
	68* SPAN	2,54	16	13 1	3. 11 3 10 3 9	7 4 6 3	- 11 10 9	10	18	10 8 9 7 8 5	13 13	13	10 9	5 4 4 4	7.6	8 7
RAWL CALK-IN	88* SPAN	2,5"	16 7 7 16 6 6 15 6 4	9 8	9 8	3 4 3 3	4	4 3	6 5	8 5 5 6 5 5	12 7 8	13 5 6	8 7	4 3 3 3	5 3 3	3
(MACHINE SCREW ANCHOR) 7/8" MIN. EMBEDMENT	105" span	3" 2.5" 2"							3	4 4	: 6	4	6	C 1 . r	3	
	23" span	3* 2.5" 2*		7.									10.1			

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PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 1/-0831.04
Expiration Date 10/22/20/2
By / Land Addition
Miami Date Product Control

PRODUCT REVISED

as complying with the Florida
Bulding Code

Acceptance No. 0.6. = 0117.
Expiration Units 10.727.72

By le land H. M.
Mianti Bade Gronart Control
Division

LDING CODE COMPLIANCE

REMSIONS BY 09/11/98 SP 01/06/06 SP

ENGINEERING, IN Smooth Design

RAMMS

A Onderval

METALIECH, INC. 1857 7835 W. SECOND CT. HALEM, P. 35014

01/10/98 98002

MANGOUR, PE

ROBERT S. MONSOUR, PE EB-0006024 MATE ENGINEERING, NC.

ANCHOR SCHEDULE

١.	WOOD APPLICATIONS								
				UP TO 59.5 PSF	UP TO 71.5 PSF	UP TO 81.5 PSF	LID TO OU A DOC		
	ANCHOR TYPE	DIA.	SPAN	CONNECTION TYPE	CONNECTION TYPE	CONNECTION TYPE	UP TO 91.4 PSF CONNECTION TYPE		
	mm	 	68" SPAN		ABCDE	A B C D E	A A T T T T T T T T		
	BRASS WOOD BUSHING	1/4-20		14 13 5 13 13	12 12 5 12 12	10 7 4 10 10			
		114-20	88" SPAN	.11 8 4 11 11	9 4 3 6 7		The state of the s		
	du Min Denema Arian		105" SPAN	9 4 4 6 7	8 3 3 4 3	3 3 4 3	7 3 3 3		
	1" MIN. PENETRATION	<u> </u>	123" SPAN	8 3 3 4 3					
			66" SPAN	16 13 8 13 13	15 13 6 13 13	A A STATE OF THE S	and the minimum and the second		
	1 F	1/4 ⁸	88" SPAN	14 11 6 13 13	40	149 6 13 13	12 6 5 8 9		
:	WOOD LAGS		105" SPAN	12 6 5 8 9	12 6 5 8 9 10 4 4 5 A	10, 4 4 5 4	9 3 4 4 3		
	1" MINIMUM TREAD PENETRATION	· · · · · · · · · · · · · · · · · · ·	123" SPAN	10 4 3 5 4	STATE OF THE PERSON OF THE PER				
1			68" SPAN	40 40	46				
!	` '	5/16"	88" SPAN	40 45	16 13 8 13 13	16 10 7 13 13	14 7 6 9 11		
- 1	Wood Lags		105' SPAN	***************************************	14 7 6 9 10	12 5 6 6 5	11 4 5 5 3		
- !].	1" MINIMUM TREAD PENETRATION		123" SPAN	40	12 4 5 6 4				
ı	[]			16 10 14	la la company de				
- ; ;		3/8"	88" SPAN	***************************************	16 13 9 13 13	16 12 8 13 13	16 8 7 11 13		
	WOOD LAGS		105" SPAN		16 8 7 10 12	14 5 6 7 6	10 8 7 11 13 13 4 6 5 4		
٦L	1" MINIMUM TREAD PENETRATION		400000	4	14 5 6 6 5				
Ī			700	13 5 6 6 5	a de la companya de		The Property of		
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- 1	WOOD LAGS	//10		16 : 13 : 9 : 13 : 13		16 6 7 8 7			
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, -	1" MINIMUM TREAD PENETRATION	· · · · · · · · · · · · · · · · · · ·		15 5 7 7 6			The Market of the Control of the Con		
· [16 : 13 : 8 : 13 : 13	5 13 6 13 13	44	or hardened back to the control better to be		
- 1		1/4" ·	88" SPAN	44 . 44		14 9 6 13 13	12 6 5 8 9		
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 -	1 7/8" MIN. THREAD PENETRATION		123" SPAN	10 4 3 5 4					
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- J.		1/4"	GOU AMANA	44		14 9 6 13 13	12 6 5 8 9		
il	1/4" ELCO PANEL MATES	[44	45		10 : 4 : 4 : 5 : 4	9 3 4 4 3		
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' <u>L</u>	1 7/8" MIN, THREAD PENETRATION	1-	···	And a distance of the same bearings, a see Assessment of Page	0 4 4 5 4				
: "				10 : 4 : 3 : 5 : 4		real and the Control of the Control			
	MOTRe.						THE PARTY OF THE P		

NOTES:

SPANS AND LOADS SHOWN IN THIS SCHEDULE ARE FOR DETERMINING ANCHOR SPACING ONLY. FOR ALLOWABLE SPANS VS. DESIGN LOADS REFER TO SHEET 4.

WHEN ANCHORING TO WOOD, THE WOOD MUST BE A MINIMUM 2 X 4 EQUAL TO #2 SOUTHERN PINE 0.55 SPECIFIC GRAVITY AND STRUCTURALLY PART OF THE FRAMING STRUCTURE OR SUCURELY ATTACHED TO FRAMING STRUCTURE

SHADED AREAS REPRESENT ANCHOR CONDITIONS THAT ARE NOT ACCEPTABLE.

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE SOUNDNESS OF THE STRUCTURE TO WITH STAND THE ADDITIONAL LOADS AND INSURE PROPER ANCHORAGE. SHUTTER SYSTEM MAY BE INTSALL INTO WOOD, CONCRETE OR MASONRY.

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No 12-0628.12
Expiration Date 10/22/2017
By
Migni Dede Roden Control

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No || - 0831.0 4
Expiration Date | 0/22/20/2
By || Language Product Control

PRODUCT REVISED

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Building Code

Asseptance No. 06 - 0117 . 05

Englington Build 10 / 22 / 2011

By free from Additional Code

ROBERT S. MONSOUR, PE EB-0006024 MATES ENGINEERING, INC. NG CODE COMPLANCE

REWISIONS BY 09/11/98 SP 01/06/06 SP

ENGINEERING, INC.

RAMMS

EB 0006024

WETALLECH, INC. SST. 1957 7655 W. SECOND CT. HALEN, P. 33014

SEP/JRB/RSM
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